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**Fax Transmission** | Date: July 29, 2005

<b>To:</b>	Commissioner of Patents	<b>From:</b>	James R. Young
<b>Fax No.:</b>	571-273-8300	<b>Our Ref.:</b>	MKSI.50USU1
<b>Application Serial No.:</b>	09/815,376	<b>Fax No.:</b>	<u>(970) 492-1101</u>
<b>Examiner:</b>	Gregory J. Strimbu	<b>Phone No.:</b>	<u>(970) 492-1100</u>
<b>Art Unit:</b>	3634	<b>Total Pages:</b>	(Incl. cover sheet)
<b>Customer No.</b>	27479	<b>Return Fax To:</b>	
<b>Atty. Docket No.</b>	16458-050 (MKSI.50USU1)		

**Message: See attached APPLICANT'S STATEMENT OF THE SUBSTANCE OF THE INTERVIEW OF 19 APRIL 2005.**

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PTO/SB/21 (09-04)

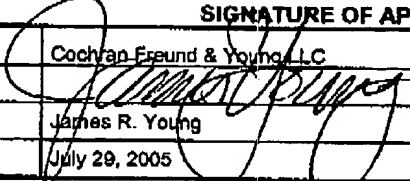
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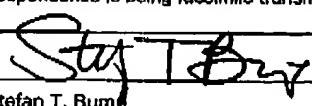
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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/815,376	
	Filing Date	Mar 21, 2001	
	First Named Inventor	GU, YOUNFAN	
	Art Unit	3834	
	Examiner Name	Gregory J. Strimbu	
Total Number of Pages in This Submission	4	Attorney Docket Number	16458-050 (MKSI50USU1)

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance communication to (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): - Copy of Interview Summary dated 19 April 2005
Remarks Reply is entitled "Applicant's Statement of the Substance of the Interview of 19 April 2005"		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Cochran Freund & Young, LLC	
Signature		
Printed name	James R. Young	
Date	July 29, 2005	Reg. No. 27847

CERTIFICATE OF TRANSMISSION		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO, facsimile number: 571-273-8300, on the date shown below.		
Signature		
Typed or printed name	Stefan T. Bump	Date July 29, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JUL 29 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<b>Applicant:</b>	<b>Holcomb et al.</b>	<b>Examiner:</b>	<b>Gregory J. Strimbu</b>
<b>Serial No.:</b>	<b>09/815,376</b>	<b>Group Art Unit:</b>	<b>3634</b>
<b>Filed:</b>	<b>March 21, 2001</b>		
<b>For:</b>	<b>COMBINATION DIFFERENTIAL AND ABSOLUTE PRESSURE TRANSDUCER FOR LOAD LOCK CONTROL</b>	<b>Docket No.</b>	<b>16458-050 (MKSI.50USU1)</b>

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**APPLICANT'S STATEMENT OF THE SUBSTANCE OF THE  
INTERVIEW OF 19 APRIL 2005**

Sir:

In response to the Office Communication mailed July 25, 2005, the Applicant hereby submits this Statement of the Substance of the Interview of April 19, 2005, as required by 37 C.F.R. 1.111 and M.P.E.P. 713.04.

Applicant requested the interview with Examiner Strimbu, which took place in Examiner Strimbu's office on April 19, 2005. Applicant's attorney, James R. Young, and an employee of the applicant assignee, Paul Dozoretz, attended the interview with Examiner Strimbu.

At the interview, the applicant discussed distinctions and advantages of the present invention over the apparatus discussed in the Hanson et al. article entitled "Vacuum Technology Pressure Measurement and Control in Loadlocks", which was deemed by the applicant to be the closest prior art reference, and the Ikeda reference was discussed. Such distinctions and advantages discussed were substantially those discussed in the Remarks of the Amendment/Reply that was filed by applicant on May 10, 2005, including a pressure transducer that is capable of outputting control signals based on settable absolute and differential pressure levels or set points for direct control of load lock doors and for cross-over pump speed (e.g.

throttle) switching where heat conduction transitions or "crosses over" between molecular conduction and convection, and doing so with two pressure sensors, rather than the three pressure sensors taught by Hanson et al. It was noted by Applicant that throttle was used in a functional sense to refer to effective pumping speed and not to any specific or particular kind of valve apparatus to accomplish that function.

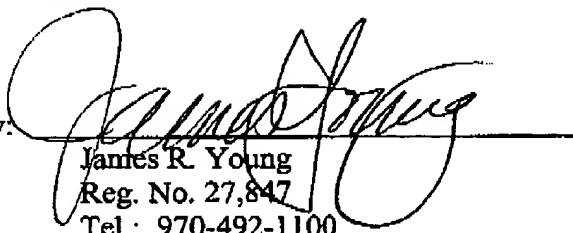
Applicant suggested amending the claims to include the limitations of mounting the pirani pressure sensor and absolute pressure transducer together with a control circuit in a housing and setting the exterior door control reference and suggested using the regular pirani pressure to control a throttle valve. The examiner stated that the above changes appear to overcome the rejection of record, but would require further review. The applicant agreed to submit a response in accordance with Office practice.

A copy of the Interview Summary signed by Examiner Strimbu is attached hereto.

Respectfully Submitted,  
COCHRAN FREUND & YOUNG LLC

Dated: July 29, 2005

By:



James R. Young  
Reg. No. 27,847  
Tel.: 970-492-1100

<b>Interview Summary</b>	Application No. 09/815,376		Applicant(s) HOLCOMB ET AL.	
	Examiner Gregory J. Strimbu		Art Unit 3634	

All participants (applicant, applicant's representative, PTO personnel):

(1) Gregory J. Strimbu (3) Paul Dozoretz

(2) James R. Young (4) \_\_\_\_\_

Date of Interview: 19 April 2005.

Type: a) ☐ Telephonic b) ☐ Video Conference  
c) ☒ Personal [copy given to: 1) ☒ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.  
If Yes, brief description: \_\_\_\_\_

Claim(s) discussed: Proposed claims 8, 9, 11.

Identification of prior art discussed: Ikeda and Vacuum Technology Pressure Measurement and Control in Loadlocks.


Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

GREGORY J. STRIMBU  
PRIMARY EXAMINER



Examiner's signature, if required

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.